

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-20 (Canceled).

21. (Previously Presented) An electro-optical device comprising:

a gate electrode formed over a first substrate;

a source wiring formed over said first substrate;

a first insulating film formed on said gate electrode and said source wiring;

a semiconductor layer formed over said first insulating film, and having at least a source region, a drain region, and a channel formation region interposed therebetween;

a second insulating film covering at least said semiconductor layer;

a gate wiring formed on said second insulating film, and electrically connected to said gate electrode;

a connection wiring for electrically connecting said source wiring and said semiconductor layer, and formed on said second insulating film;

a second substrate opposed to said first substrate;

a light shielding portion comprising a first colored layer and a second colored layer;

a first pixel opening comprising said first colored layer, a second pixel opening comprising said second colored layer and a third pixel opening comprising a third colored layer;
and

an organic resin film covering said light shielding portion, said first colored layer, said second colored layer and said third colored layer,

wherein said light shielding portion overlaps the channel formation region;

wherein a liquid crystal is interposed between said organic resin film and said channel formation region;

wherein said organic resin film has a thickness of 1 μ m or more;

wherein said light shielding portion is interposed between said second substrate and said liquid crystal; and

wherein a pixel electrode is electrically connected to said source region or said drain region, said pixel electrode comprises a transparent conductive film.

22. (Currently Amended) [[A]] An electro-optical device according to claim 21, wherein said first colored layer is blue,

wherein said second colored layer is red; and

wherein said third colored layer is green.

23. (Currently Amended) [[A]] An electro-optical device according to claim 21, wherein said electro-optical device is a transmissive liquid crystal display device.

24. (Currently Amended) [[A]] An electro-optical device according to claim 21, wherein said electro-optical device is selected from the group consisting of a personal computer, a video camera, a portable information terminal, a digital camera, a digital versatile disc player or an optical game machine.

25-75. (Canceled)

76. (Previously Presented) An electro-optical device comprising:

- a gate electrode formed over a first substrate;
- a source wiring formed over said first substrate;
- a first insulating film formed on said gate electrode and said source wiring;
- a semiconductor layer formed over said first insulating film, and having at least a source region, a drain region, and a channel formation region interposed therebetween;
- a second insulating film covering at least said semiconductor layer;
- a gate wiring formed on said second insulating film, and electrically connected to said gate electrode;
- a connection wiring for electrically connecting the source wiring and the semiconductor layer, and formed on said second insulating film;
- a second substrate opposed to said first substrate;
- a first colored layer, a second colored layer and a third colored layer formed on said second substrate;
- a light shielding portion comprising said first colored layer, said second colored layer, and said third colored layer; and
- an organic resin film covering said light shielding portion, said first colored layer, said second colored layer, and said third colored layer,
- wherein said light shielding portion overlaps said channel formation region;
- wherein a liquid crystal is interposed between said organic resin film and said channel formation region;
- wherein said organic resin film has a thickness of 1 μm or more;

wherein a pixel electrode is electrically connected to said source region or said drain region, said pixel electrode comprises a transparent conductive film; and

wherein said light shielding portion is interposed between said second substrate and said liquid crystal.

77. (Previously Presented) An electro-optical device according to claim 76, wherein said first colored layer is blue,

wherein said second colored layer is red; and

wherein said third colored layer is green.

78-84. (Canceled)

85. (Previously Presented) An electro-optical device according to claim 76, wherein said gate wiring overlaps a portion of said semiconductor layer containing at least said channel formation region.

86. (Previously Presented) An electro-optical device according to claim 76, wherein said gate electrode and said source wiring comprise a same material.

87 (Previously Presented) An electro-optical device according to claim 76, wherein said first insulating film is a gate insulating film.

88. (Previously Presented) An electro-optical device according to claim 21, wherein said gate wiring overlaps a portion of said semiconductor layer containing at least said channel formation region.

89. (Previously Presented) An electro-optical device according to claim 21, wherein said gate electrode and said source wiring comprise a same material.

90 (Previously Presented) An electro-optical device according to claim 21, wherein said first insulating film is a gate insulating film.

91. (Currently Amended) An electro-optical device comprising:

- a first substrate;
- a thin film transistor formed over said first substrate, said thin film transistor comprising:
 - a gate electrode;
 - a first insulating film formed on said gate electrode;
 - a semiconductor ~~film~~ layer formed over said first insulating film, and having at least a source region, a drain region and a channel formation region;
 - a source wiring formed over said first substrate, the source wiring electrically connected to said source region, wherein said first insulating film is formed on said source wiring;
 - a second insulating film over said semiconductor layer;
 - ~~a gate wiring formed on said second insulating film, and electrically connected to said~~
gate electrode;

~~a connection wiring for electrically connecting said source wiring and said semiconductor layer, and formed on said second insulating film;~~

a pixel electrode comprising a first transparent conductive film, and electrically connected to said drain region thin film transistor;

a second substrate opposed to said first substrate;

at least a first colored layer and a second colored layer formed on said second substrate, wherein said first colored layer and said second colored layer partly overlap each other ~~to form a light shielding portion, said light shielding portion overlaps at least said channel formation region of said thin film transistor;~~

an organic resin film covering said first and second colored layers ~~and said light shielding portion;~~

an opposing electrode comprising a second transparent conductive film; and

a liquid crystal interposed between said pixel electrode and said opposing electrode, wherein said organic resin film is interposed between said liquid crystal and said first and second colored layers,

wherein said organic resin film has a thickness of 1 μm or more, and

wherein said opposing electrode is interposed between said liquid crystal and said organic resin film.

92. (Currently Amended) An electro-optical device comprising:

a first substrate;

a thin film transistor formed over said first substrate, said thin film transistor comprising;

a gate electrode;

a first insulating film formed on said gate electrode;

a semiconductor ~~film~~ layer formed over said first insulating film, and having at least a source region, a drain region and a channel formation region;

a source wiring formed over said first substrate, the source wiring electrically connected to said source region, wherein said first insulating film is formed on said source wiring;

a second insulating film over said semiconductor layer;

~~a gate wiring formed on said second insulating film, and electrically connected to said gate electrode;~~

~~a connection wiring for electrically connecting said source wiring and said semiconductor layer, and formed on said second insulating film;~~

a pixel electrode electrically connected to said drain region ~~thin film transistor~~;

a second substrate opposed to said first substrate;

a first colored layer, a second colored layer and a third colored layer formed on said second substrate, wherein said first colored layer, said second colored layer and said third colored layer partly overlap each other ~~to form a light shielding portion, said light shielding portion overlaps at least said channel formation region of said thin film transistor~~;

an organic resin film covering said first, second and third colored layers ~~and said light shielding portion~~; and

a liquid crystal interposed between said first substrate and said second substrate, wherein said organic resin film is interposed between said liquid crystal and said first, second and third colored layers,

wherein said organic resin film has a thickness of 1 μm or more.

93. (Previously Presented) An electro-optical device according to claim 21, wherein a step exists at a portion where said first colored layer overlaps said second colored layer.

94. (Previously Presented) An electro-optical device according to claim 76, wherein a step exists at a portion where said first colored layer overlaps said second colored layer and said third colored layer.

95. (Previously Presented) An electro-optical device according to claim 91, wherein a step exists at a portion where said first colored layer overlaps said second colored layer.

96. (Previously Presented) An electro-optical device according to claim 92, wherein a step exists at a portion where said first colored layer overlaps said second colored layer and said third colored layer.

97. (Previously Presented) An electro-optical device according to claim 21, wherein said organic resin film is a leveling film.

98. (Previously Presented) An electro-optical device according to claim 76, wherein said organic resin film is a leveling film.

99. (Previously Presented) An electro-optical device according to claim 91, wherein said organic resin film is a leveling film.

100. (Previously Presented) An electro-optical device according to claim 92, wherein said organic resin film is a leveling film.

101. (New) An electro-optical device according to claim 91, further comprising;
a gate wiring formed on said second insulating film, and electrically connected to said gate electrode; and
a connection wiring for electrically connecting said source wiring and said source region, and formed on said second insulating film,
wherein said first colored layer and said second colored layer partly overlap each other to form a light shielding portion,
wherein said light shielding portion overlaps at least said channel formation region, and
wherein said organic resin film covers said first and second colored layers and said light shielding portion.

102. (New) An electro-optical device according to claim 92, further comprising;
a gate wiring formed on said second insulating film, and electrically connected to said gate electrode; and
a connection wiring for electrically connecting said source wiring and said source region, and formed on said second insulating film,
wherein said first colored layer, said second colored layer and said third colored layer partly overlap each other to form a light shielding portion,
wherein said light shielding portion overlaps at least said channel formation region, and

wherein said organic resin film covers said first, second and third colored layers and said light shielding portion.